

A B S T R A C T

5 An optical signal processor device (14) intended to
be fitted to means (10) for optically transmitting an
information-carrying signal (S) comprises means (20, 22)
for suppressing backscattered signals (RS) in the optical
transmission means (10), an optical propagation medium
10 (16) intended to be connected in parallel with the
optical transmission means (10), divertor means (18, 20)
for diverting the backs-propagated signals (P, RS) in the
optical transmission means (10) into the optical
propagation medium (16), and signal discrimination means
15 (22) connected to the optical propagation medium (16).

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